Mario Aldape-PÃ©rez

List of Publications by Year
in descending order

33 papers	457 citations	12 h-index	20 g-index
34 all docs	34 docs citations	34 times ranked	460 citing authors

#	Article	IF	Citations
1	Substitution box generation using Chaos: An image encryption application. Applied Mathematics and Computation, 2018, 332, 123-135.	2.2	72
2	Multi-objective meta-heuristic optimization in intelligent control: A survey on the controller tuning problem. Applied Soft Computing Journal, 2020, 93, 106342.	7.2	69
3	Instance-based ontology matching for e-learning material using an associative pattern classifier. Computers in Human Behavior, 2017, 69, 218-225.	8.5	36
4	An associative memory approach to medical decision support systems. Computer Methods and Programs in Biomedicine, 2012, 106, 287-307.	4.7	31
5	An adaptive control study for the DC motor using meta-heuristic algorithms. Soft Computing, 2019, 23, 889-906.	3.6	22
6	Collaborative learning in postgraduate level courses. Computers in Human Behavior, 2015, 51, 938-944.	8.5	21
7	Bio-inspired adaptive control strategy for the highly efficient speed regulation of the DC motor under parametric uncertainty. Applied Soft Computing Journal, 2019, 75, 29-45.	7.2	21
8	Optimized Path-Planning in Continuous Spaces for Unmanned Aerial Vehicles Using Meta-Heuristics. IEEE Access, 2020, 8, 176774-176788.	4.2	20
9	Collaborative learning based on associative models: Application to pattern classification in medical datasets. Computers in Human Behavior, 2015, 51, 771-779.	8.5	17
10	Theoretical Foundations for the Alpha-Beta Associative Memories: 10 Years of Derived Extensions, Models, and Applications. Neural Processing Letters, 2018, 48, 811-847.	3.2	17
11	Pattern classification using smallest normalized difference associative memory. Pattern Recognition Letters, 2017, 93, 104-112.	4.2	15
12	Exponential Synchronization of Chaotic Xian System Using Linear Feedback Control. Complexity, 2019, 2019, 1-10.	1.6	15
13	Hand Movement Classification Using Burg Reflection Coefficients. Sensors, 2019, 19, 475.	3.8	13
14	An adaptive control study for a DC motor using meta-heuristic algorithms. IFAC-PapersOnLine, 2017, 50, 13114-13120.	0.9	12
15	Adaptive Controller Tuning Method Based on Online Multiobjective Optimization: A Case Study of the Four-Bar Mechanism. IEEE Transactions on Cybernetics, 2021, 51, 1272-1285.	9.5	12
16	Indirect adaptive control using the novel online hypervolume-based differential evolution for the four-bar mechanism. Mechatronics, 2020, 69, 102384.	3.3	8
17	Gene selection for enhanced classification on microarray data using a weighted k-NN based algorithm. Intelligent Data Analysis, 2019, 23, 241-253.	0.9	6
18	Path Planning Generator with Metadata through a Domain Change by GAN between Physical and Virtual Environments. Sensors, 2021, 21, 7667.	3.8	6

#	Article	IF	Citations
19	Feature Selection Using a Hybrid Associative Classifier with Masking Techniques. , 2006, , .		5
20	Social Web Content Enhancement in a Distance Learning Environment: Intelligent Metadata Generation for Resources. International Review of Research in Open and Distance Learning, 2017, 18, .	1.8	5
21	Evolutionary Approach to Feature Selection with Associative Models. Research in Computing Science, 2014, 78, 111-122.	0.1	5
22	An Associative Memory Approach to Healthcare Monitoring and Decision Making. Sensors, 2018, 18, 2690.	3.8	4
23	Interoperability between Real and Virtual Environments Connected by a GAN for the Path-Planning Problem. Applied Sciences (Switzerland), 2021, 11, 10445.	2.5	4
24	Sustainable Circular Micro Index for Evaluating Virtual Substitution Using Machine Learning with the Path Planning Problem as a Case Study. Sustainability, 2021, 13, 13436.	3.2	4
25	FPGA Implementation of Parallel Alpha-Beta Associative Memories. Lecture Notes in Computer Science, 2008, , 1081-1090.	1.3	3
26	Optimized Associative Memories for Feature Selection. Lecture Notes in Computer Science, 2007, , 435-442.	1.3	3
27	Analysis of Depth and Semantic Mask for Perceiving a Physical Environment Using Virtual Samples Generated by a GAN. IEEE Access, 2022, 10, 5595-5607.	4.2	3
28	Building a Realistic Virtual Simulator for Unmanned Aerial Vehicle Teleoperation. Applied Sciences (Switzerland), 2021, 11, 12018.	2.5	3
29	Optimal Adaptive Control of a DC Motor Using Differential Evolution Variants. , 2017, , .		2
30	Instance-Based Ontology Matching For Open and Distance Learning Materials. International Review of Research in Open and Distance Learning, 2017, 18, .	1.8	1
31	Adaptive Control for the Four-Bar Linkage Mechanism Based on Differential Evolution. , 2018, , .		1
32	A Dynamic Optimization Approach to Adaptive Control for the Four-Bar Linkage Mechanism. Advances in Intelligent Systems and Computing, 2019, , 892-906.	0.6	0
33	Thresholded Learning Matrix for Efficient Pattern Recalling. Lecture Notes in Computer Science, 2008, , 445-452.	1.3	0